

SECTION VI.—BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

Barber, Frederic Delos, and others.

First course in general science, by F. D. Barber, M. L. Fuller, J. L. Pricer, and H. W. Adams. New York. 1916. vii, 607 p. front. illus. figures. 19½cm. [Chapter 4. The weather, by M. L. Fuller.]

Blomgren, Axel S.

Kortfattad nautisk meteorologi samt utprickningsystem och stormvarningssignaler. Göteborg. [1915] 76 p. (incl. title-page) 7 plates (partly col.) figures. tables (partly fold.) 20½cm. [Plates give nautical storm signals for twelve countries.]

Eredia, Filippo, comp.

Norme per l'impianto e per il funzionamento delle stazioni termoudometriche coloniali. Roma. 1915. 44 p. (incl. title-page) figures. tables. 23½cm. At head of title: Ministero delle colonie. (Estratto dal Bollettino d'informazioni, anno 3, N. 5-7.)

Huntington, Ellsworth.

Temperature optima for human energy. 25½cm. (Excerpted from Proceedings of the National academy of sciences, v. 3, Feb. 1917, p. 127-133.)

King, Louis Vessot.

On the acoustic efficiency of fog-signal machinery. [New York] 1917. 6 figures. 3 charts. 24cm. (Reprinted from the Journal of the Franklin institute, March, 1917, p. 259-286.)

Kodaikanal and Madras observatories.

Annual report of the director for 1916. Madras. 1917. [2 l] 24 p. tables. 33½cm.

Lick Observatory.

Refraction at Mount Hamilton, by R. H. Tucker. [Sacramento] 1917. University of California publications. Astronomy, v. 9, p. 56-63. 30½cm. Lick observatory bulletin no. 292.

McClatchie, Alfred J.

Relation of weather to crops and varieties adapted to Arizona conditions, by A. J. McClatchie and J. E. Coit and the Station staff. Tucson. 1916. (University of Arizona. Agricultural experiment station. Bulletin no. 78, p. [45]-118.) 23cm. "Revision of Bulletin no. 61."

Montevideo. Observatorio central del Prado.

Resumen y discusión de las observaciones meteorológicas del observatorio central. Período 1901-1915, por Luis Morandi. Montevideo. 1917. 19 p. (incl. title-page) tables. 30cm. At head of title: Instituto nacional físico-climatológico. [Includes absolute extremes of temperature at 10 places and precipitation normals at 52 places in Uruguay.]

Oña. Colegio maximo de la Compañía de Jesus.

Observaciones meteorológicas [1916] Oña. 1917. unpagged. tables. 24cm.

Paris. Bureau of longitudes.

Wireless time signals: radio-telegraphic time and weather signals transmitted from the Eiffel tower, and their reception. Authorized tr. with additional tables and data. London, New York. 1915. ix, 133 p. illus. fold. plate. 19cm.

Robbins, Wilfred W.

Native vegetation and climate of Colorado in their relation to agriculture. Fort Collins, Colo. 1917. 56 p. (incl. title-page) charts (partly fold.) illus. figures. tables. 23cm. At head of title: Agricultural experiment station of the Colorado agricultural college. Bulletin 224. Feb. 1917. [With several climatic charts, detailed frost data, etc.]

Shaw, William Napier.

Principia atmospherica; a study of the circulation of the atmosphere. Edinburgh, London. 1914. figures. tables. 25½cm. (Reprint from the Proceedings of the Royal society of Edinburgh. Session 1913-1914, v. 34, pt. 1, no. 9, p. 77-112.) [Reprinted in this REVIEW, 1914.]

Toronto observatory.

Results of meteorological, magnetical, and seismological observations, 1916. Compiled by Jas. Young. . . . Toronto. 1917. 37 [10] p. (incl. title-page) tables. 19cm. At head of title: Dept. of marine and fisheries. Dominion of Canada.

Udden, Anton D.

Cyclonic distribution of weather elements for Davenport, Iowa. 12 p. 19 figures. 23½cm. (Reprint from Transactions of the Illinois academy of science, v. 7.)

U. S. Dept. of the interior. Office of the secretary.

General information regarding the territory of Alaska. Edition of March, 1917. Washington. 1917. 72 p. maps (partly fold.) tables. 23½cm. [Climate, p. 9-12.]

U. S. Naval observatory. Nautical almanac office.

Total eclipse of the sun June 8, 1918. Washington. 1917. 32 p. (incl. title-page) 4 fold. charts. tables. 23½cm. At head of title: Supplement to the American ephemeris, 1918. (Part 1. Meteorological data furnished by the U. S. Weather bureau. Part 2. Astronomical data and charts.) Charts 3-4 in envelope at back.

Venice. Ufficio idrografico.

Norme ed istruzioni per il Servizio meteorologico. (Edizione provvisoria) Parte 2a. Tabelle. Venezia. 1916. 87p. tables. 26cm. At head of title: R. magistrato alle acque.

Walker, James.

Introduction to physical chemistry; 7th ed. London. 1913. xii, 412 p. figures. tables. 22½cm.

West, F. L., & Edlefsen, N. E.

Freezing of fruit buds. Lehi, Utah. Lehi Sun print. 1917. 24 p. (incl. title-page) 9 tables. 6 figures. 23cm. At head of title: Utah agricultural college. Experiment station. Bulletin no. 151. [Bibliography, p. 22-24.]

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

Electrical world. New York. v. 69. March 31, 1917.

Piper, C. W. Analysis of damage caused by lightning. p. 609. [Statistics of damage to electrical equipment and suggestions as to protection.]

Meteorological society of Japan. Journal. Tokyo. 36th year. April 1917.

Okada, T. Geometrical derivation of the equations of motion for a material particle moving under gravity on the rotating earth. p. 25-33.

Onisi, N. Seasonal correlation at Hankow in the Yangtze valley and Kōhfu in central Japan. p. 34-35. [Abstract.]

Akamatsu, T. Correlation between the barometric pressure gradient at Nafa in the Riukiu Islands for January to April and the rainfall air temperature and sunshine duration at Kōti on the south coast of Japan for July. p. 35-39. [Abstract.]

Nature. London. v. 99. 1917.

Harding, Cha[r]les. The recent cold weather. p. 153. (Apr. 19.) Dobson, Gordon, and Stromeyer, C. E. Aeroplanes and atmospheric gustiness. p. 164-165. [Apr. 26.]

Scientific American. New York. v. 116. May 12, 1917.

Zeppelin barometers. p. 472. [Describes a form of silver-foil hygroscope.]